What is claimed is:

1	1.	A method for n	neasuring a whe	el alignment and	gle, the metho	od comprising:

- attaching to a wheel a measurement head including an accelerometer; and
- measuring, with the accelerometer, a wheel angle with respect to gravity.
- 1 2. The method of claim 1, wherein the accelerometer comprises a micro-
- 2 electromechanical systems (MEMS) device.
- The method of claim 1, wherein the accelerometer includes a solid proof mass.
- 1 4. The method of claim 1, wherein the accelerometer measures internal changes in heat
- 2 transfer caused by acceleration.
- 1 5. The method of claim 1, further comprising:
- 2 calculating, by a computing device, at least one wheel alignment parameter based on
- 3 the measured angle.
- 1 6. The method of claim 5, wherein the wheel alignment parameter includes at least one
- 2 of toe, camber, and steering axis inclination.
- 7. A method for measuring a wheel alignment angle, the method comprising:
- attaching to a wheel a measurement head including an accelerometer;
- 3 operatively connecting a thermal sensor to the accelerometer;
- 4 measuring, with the accelerometer, an uncompensated wheel angle;
- 5 measuring, with the thermal sensor, a temperature to which the accelerometer is
- 6 subjected; and
- 7 calculating a compensated wheel angle as a function of the uncompensated wheel
- angle and the measured temperature.
- 1 8. The method of claim 7, wherein the accelerometer comprises a micro-
- 2 electromechanical systems (MEMS) device.

- 1 9. The method of claim 7, wherein the accelerometer includes a solid proof mass.
- 1 10. The method of claim 7, wherein the accelerometer measures internal changes in heat
- 2 transfer caused by acceleration.
- 1 11. A measurement head for a wheel alignment system, the measurement head
- 2 comprising:
- an accelerometer configured to measure an uncompensated wheel angle with respect
- 4 to gravity;
- a thermal sensor configured to measure a temperature to which the accelerometer is
- 6 subjected; and
- a compensator operatively coupled to the accelerometer and the thermal sensor and
- 8 configured to calculate a compensated wheel angle as a function of the
- 9 uncompensated wheel angle and the measured temperature.
- 1 12. The measurement head of claim 11, further comprising:
- a memory component operatively coupled to the compensator and configured to store
- 3 at least one of a plurality of angles and corresponding temperatures and an
- 4 adjustment function.
- 1 13. The measurement head of claim 11, wherein the accelerometer comprises a thermal
- 2 accelerometer and the compensator is further configured to compensate for sensitivity and for
- 3 zero gravity offset of the thermal accelerometer.
- 1 14. The measurement head of claim 11, wherein the compensator implements a feedback
- 2 control loop to compensate for at least one of thermal sensitivity and zero gravity offset.
- 1 15. The measurement head of claim 11, wherein the compensator implements an
- 2 approximation using at least two temperature points for calculating zero gravity offset.
- 1 16. A wheel alignment system comprising:

- a measurement head including an accelerometer configured to calculate a wheel angle
- with respect to gravity; and
- a computing device operatively coupled to the measurement head and configured to
- receive the wheel angle and to compute a wheel alignment parameter based on
- 6 the wheel angle.
- 1 17. The wheel alignment system of claim 16, wherein the wheel alignment parameter
- 2 includes at least one of toe, camber, and steering axis inclination.
- 1 18. The wheel alignment system of claim 16, wherein the accelerometer comprises a
- 2 micro-electromechanical systems (MEMS) device.
- 1 19. The wheel alignment system of claim 16, wherein the accelerometer includes a solid
- 2 proof mass.
- 1 20. The wheel alignment system of claim 16, wherein the accelerometer measures internal
- 2 changes in heat transfer caused by acceleration.